

Appl. No. 10/027,987
Amdt. dated Feb 3, 2004
Reply to Office action of Nov. 19, 2003

This listing of claims will replace all prior versions, and listing, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A system for generating electricity from a wind comprising:

a wind turbine/generator disposed within or in close proximity to a building, the wind turbine/generator having an air intake and an air exhaust, whereby the wind turbine/generator generates electricity from the wind received from the air intake; [[and]]

two or more air ducts within an enclosure of the building, each air duct having a first end connected to an air duct intake device mounted on the building in a non-axial relationship to the wind turbine/generator and a second end connected to the wind turbine/generator air intake, the air ducts funneling the wind to the air intake of the wind turbine/generator; and

an air flow focusing device disposed within the enclosure between the air ducts and the air intake of the wind turbine/generator.

Claim 2 (original): The system as recited in claim 1 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

Claim 3 (currently amended): The system as recited in claim 1 further comprising an intermediate duct disposed between the wind turbine/generator air intake and the second ends of the two or more ducts.

Claim 4 (original): The system as recited in claim 1 wherein the air duct intake device is a grill mounted on an exterior of the building.

Claim 5 (original): The system as recited in claim 1 wherein the air duct intake device is an air scoop.

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Claim 6 (original): The system as recited in claim 5 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

Claim 7 (original): The system as recited in claim 5 wherein the directional inlet is remotely controlled.

Claim 8 (cancelled)

Claim 9 (currently amended): The system as recited in claim 1 wherein the wind turbine/generator is mounted within an attic of the building.

Claim 10 (currently amended): The system as recited in claim 1 wherein the wind turbine/generator is mounted within a basement of the building.

Claim 11 (currently amended): The system as recited in claim 1 wherein the wind turbine/generator is mounted outside the building and the two or more ducts are substantially disposed within the building.

Claim 12 (currently amended): The system as recited in claim 1 wherein the wind turbine/generator is mounted on a vibration dampener within the enclosure.

Claim 13 (original): The system as recited in claim 1 wherein the enclosure is insulated for sound.

Claim 14 (currently amended): The system as recited in claim 1 further comprising a processor for monitoring and controlling the wind turbine/generator.

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Claim 15 (currently amended): The system as recited in claim 1 further comprising an exhaust duct having a first end connected to the wind turbine/generator air exhaust and a second end connected to an air exhaust vent.

Claim 16 (previously presented): The system as recited in claim 15 wherein the air duct exhaust vent is a grill mounted on an exterior of the building.

Claim 17 (cancelled)

Claim 18 (currently amended): A building adapted to generate electricity from a wind comprising:

a wind turbine/generator disposed within or in close proximity to the building, the wind turbine/generator having an air intake and an air exhaust, whereby the wind turbine/generator generates electricity from the wind received from the air intake; [[and]]

two or more air ducts within an enclosure of the building, each air duct having a first end connected to an air duct intake device mounted on an exterior of the building in a non-axial relationship to the wind turbine/generator and a second end connected to the wind turbine/generator air intake, the air ducts funneling the wind to the air intake of the wind turbine/generator; and

an air flow focusing device disposed within the enclosure between the air ducts and the air intake of the wind turbine/generator.

Claim 19 (original): The building as recited in claim 18 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

Claim 20 (currently amended): The building as recited in claim 18 further comprising an intermediate duct disposed between the wind turbine/generator air intake and the second ends of the two or more ducts.

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Claim 21 (original): The building as recited in claim 18 wherein the air duct intake device is a grill.

Claim 22 (original): The building as recited in claim 18 wherein the air duct intake device is an air scoop.

Claim 23 (original): The building as recited in claim 22 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

Claim 24 (original): The building as recited in claim 22 wherein the directional inlet is remotely controlled.

Claim 25 (cancelled)

Claim 26 (currently amended): The building as recited in claim 18 wherein the wind turbine/generator is mounted within an attic of the building.

Claim 27 (currently amended): The building as recited in claim 18 wherein the wind turbine/generator is mounted within the basement of the building.

Claim 28 (currently amended): The building as recited in claim 18 wherein the wind turbine/generator is mounted on a vibration dampener within the enclosure.

Claim 29 (original): The building as recited in claim 18 wherein the enclosure is insulated for sound.

Claim 30 (currently amended): The building as recited in claim 18 further comprising a processor for monitoring and controlling the wind turbine/generator.

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Claim 31 (currently amended): The building as recited in claim 18 further comprising an exhaust duct having a first end connected to the wind turbine/generator air exhaust and a second end connected to an air exhaust vent mounted on the exterior of the building.

Claim 32 (previously presented): The building as recited in claim 18 wherein the air duct exhaust vent is a grill.

Claim 33 (cancelled)

Claim 34 (new): A system for generating electricity from a wind comprising:

a wind turbine/generator disposed within or in close proximity to a building, the wind turbine/generator having an air intake and an air exhaust, whereby the wind turbine/generator generates electricity from the wind received from the air intake;

two or more air ducts within an enclosure of the building, each air duct having a first end connected to an air duct intake device mounted on the building in a non-axial relationship to the wind turbine/generator and a second end connected to the wind turbine/generator air intake, the air ducts funneling the wind to the air intake of the wind turbine/generator; and

the wind turbine/generator air exhaust having a cross sectional area that is substantially larger than the cross sectional area of the two or more air ducts.

Claim 35 (new): The system as recited in claim 34 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

Claim 36 (new): The system as recited in claim 34 further comprising an intermediate duct disposed between the wind turbine/generator air intake and the second ends of the two or more ducts.

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Claim 37 (new): The system as recited in claim 34 wherein the air duct intake device is a grill mounted on an exterior of the building.

Claim 38 (new): The system as recited in claim 34 wherein the air duct intake device is an air scoop.

Claim 39 (new): The system as recited in claim 38 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

Claim 40 (new): The system as recited in claim 38 wherein the directional inlet is remotely controlled.

Claim 41 (new): The system as recited in claim 34 wherein the wind turbine/generator is mounted within an attic of the building.

Claim 42 (new): The system as recited in claim 34 wherein the wind turbine/generator is mounted within a basement of the building.

Claim 43 (new): The system as recited in claim 34 wherein the wind turbine/generator is mounted outside the building and the two or more ducts are substantially disposed within the building.

Claim 44 (new): The system as recited in claim 34 wherein the wind turbine/generator is mounted on a vibration dampener within the enclosure.

Claim 45 (new): The system as recited in claim 34 wherein the enclosure is insulated for sound.

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Claim 46 (new): The system as recited in claim 34 further comprising a processor for monitoring and controlling the wind turbine/generator.

Claim 47 (new): The system as recited in claim 34 further comprising an exhaust duct having a first end connected to the wind turbine/generator air exhaust and a second end connected to an air exhaust vent.

Claim 48 (new): The system as recited in claim 47 wherein the air duct exhaust vent is a grill mounted on an exterior of the building.

Claim 49 (new): A building adapted to generate electricity from a wind comprising:
a wind turbine/generator disposed within or in close proximity to the building, the wind turbine/generator having an air intake and an air exhaust, whereby the wind turbine/generator generates electricity from the wind received from the air intake;
two or more air ducts within an enclosure of the building, each air duct having a first end connected to an air duct intake device mounted on an exterior of the building in a non-axial relationship to the wind turbine/generator and a second end connected to the wind turbine/generator air intake, the air ducts funneling the wind to the air intake of the wind turbine/generator; and

the wind turbine/generator air exhaust having a cross sectional area that is substantially larger than the cross sectional area of the two or more air ducts.

Claim 50 (new): The building as recited in claim 49 wherein the first end of the two or more ducts has a larger cross sectional area than the second end of the two or more ducts.

Claim 51 (new): The building as recited in claim 49 further comprising an intermediate duct disposed between the wind turbine/generator air intake and the second ends of the two or more ducts.

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Claim 52 (new): The building as recited in claim 49 wherein the air duct intake device is a grill.

Claim 53 (new): The building as recited in claim 49 wherein the air duct intake device is an air scoop.

Claim 54 (new): The building as recited in claim 53 wherein the air scoop has a directional inlet that changes position in favor of the wind direction.

Claim 55 (new): The building as recited in claim 54 wherein the directional inlet is remotely controlled.

Claim 56 (new): The building as recited in claim 49 wherein the wind turbine/generator is mounted within an attic of the building.

Claim 57 (new): The building as recited in claim 49 wherein the wind turbine/generator is mounted within the basement of the building.

Claim 58 (new): The building as recited in claim 49 wherein the wind turbine/generator is mounted on a vibration dampener within the enclosure.

Claim 59 (new): The building as recited in claim 49 wherein the enclosure is insulated for sound.

Claim 60 (new): The building as recited in claim 49 further comprising a processor for monitoring and controlling the wind turbine/generator.

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Claim 61 (new): The building as recited in claim 49 further comprising an exhaust duct having a first end connected to the wind turbine/generator air exhaust and a second end connected to an air exhaust vent mounted on the exterior of the building.

Claim 62 (new): The building as recited in claim 49 wherein the air duct exhaust vent is a grill.